ABSTRACT OF THE DISCLOSURE

A database system includes a storage to store a view containing results of a cube-based operation on at least one base table, with the view containing a first result set for a group-by on a first grouping set, and a second result set for a group-by on a second grouping set. In response to a change to the at least one base table, a controller updates the first result set by computing a change to the first result set based on a change in the at least one base table, and updates the second result set by computing a change to the second result set based on the change to the first result set.